

I claim:

1. A simulation test system comprising a first multi-axis simulation table and a second multi-axis simulation table, wherein the first and second multi-axis simulation tables are arranged to receive separate parts of a system to be tested.
2. A simulation test system according to claim 1 wherein said first and second multi-axis simulation tables are uncoupled. 112
3. A method for simulation testing comprising providing first and second multi-axis simulation rigs, mounting a first part of a system to be tested to said first multi-axis simulation rig and mounting a second part of said system to be tested on said second multi-axis simulation rig. 112
4. A method according to claim 3 wherein said first and second multi-axis simulation rigs are uncoupled. 112
5. The simulation test system of claim 1, wherein each multi-task simulation table has at least six degrees of movement. 112
6. The simulation test system of claim 1, wherein each multi-axis simulation table has a plurality of actuators for moving each of the tables, the actuators for one table being independent of the actuators of the other table so that movement imparted by actuators to one table can vary from movement imparted by actuators to the other table.
7. The simulation test system of claim 6, wherein each of the plurality of actuators is hydraulically driven.
8. The simulation test system of claim 1, wherein a first plurality of actuators are arranged to provide a generally horizontal motion and a second plurality of actuators are arranged to provide a generally vertical motion to each multi-axis simulation table.

9. The simulation test system of claim 9, wherein the first plurality of actuators include two actuators that are aligned to impart a parallel generally horizontal motion, and one actuator positioned impart a generally horizontal motion perpendicular to the parallel motion imparted by the two actuators.
10. The simulation test system of claim 1, further including an exhaust system comprising an engine supported by one of the multi-task simulation tables, at least one exhaust pipe extending from the engine, and at least one exhaust pipe hanger supported by the other multi-task simulation table.
11. The simulation test system of claim 10, comprising a pair of exhaust pipes, and a pair of exhaust pipe hangers.
12. The method of claim 3, comprising subjecting each rig to movement through a plurality of actuators for durability testing of the system.
13. The method of claim 12, wherein each actuator is hydraulically driven.
14. The method of claim 3, wherein each rig is subjected to generally horizontal and generally vertical forces as part of said movement.
15. The method of claim 14, wherein generally horizontal forces are applied in two directions, one direction generally perpendicular to the other direction.
16. The method of claim 3, comprising durability testing an exhaust system by mounting an engine of the exhaust system to one of the rigs and at least one exhaust pipe of the exhaust system to the other of the rigs.
17. The method of claim 3, wherein each of the rigs is capable of movement in six degrees of freedom.
18. The method of claim 3, wherein one rig is subjected to one set of movements and the other rig is subjected to another and different set of the movements for the simulation testing.

19. The method of claim 15, comprising durability testing an exhaust system by mounting an engine of the exhaust system to one of the rigs and at least one exhaust pipe of the exhaust system to the other of the rigs.